SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Yu, Guo-Liang
 Ni, Jian
 Dixit, Vishva
 Gentz, Reiner L.
- (ii) TITLE OF INVENTION: Death Domain Containing Receptors

Dillon, Patrick J.

- (iii) NUMBER OF SEQUENCES: 17
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
 - (B) STREET: 1100 New York Ave., NW, Suite 600
 - (C) CITY: Washington
 - (D) STATE: DC
 - (E) COUNTRY: USA
 - (F) ZIP: 20005-3934
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: To Be Assigned
 - (B) FILING DATE: HEREWITH
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: Not Yet Assigned
 - (B) FILING DATE: 06-FEB-1997
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 60/028,711
 - (B) FILING DATE: 17-OCT-1996
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 60/013,285
 - (B) FILING DATE: 12-MAR-1996
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Steffe, Eric K.
 - (B) REGISTRATION NUMBER: 36,688
 - (C) REFERENCE/DOCKET NUMBER: 1488.0310003/EKS/KRM
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 202-371-2600
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(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1783 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: both
- (ii) MOLECULE TYPE: cDNA
- (ix) FEATURE:
 - (A) NAME/KEY: CDS
 - (B) LOCATION: 198..1481

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CATGGGTGGG GGTGGGGGC CTGCTGGATT CCTGCTCTGG TGGAGGGGAA ACTTGTGAGG

60

01110001		00100							-100	1001	10000	JAAN 1	10110	JIGAGG	0.0	,
GGCTGGT	AAG	CGCC	CCCTC	CC GA	AAGCO	CTGGT	GTO	STGC	GCGG	GGGG	GAAGO	SAA (GTTAC	STTTCC	120)
TCTCCAC	CCA	TGGG	CACCO	CC T	CTG	CCCGC	G GG	CCTG	GGAA	GTGC	GCTC	GCT (CTGTC	EGGCAA	180)
ATGCTGG	GGC	CTCT											CCA (Pro <i>P</i> 10		230)
GGG CAG Gly Gln															278	3
CTG GTG Leu Val		Leu													326	5
TGT GAC Cys Asp 45															374	1
AGA GGC Arg Gly 60															422	2
TGC GGC Cys Gly															470	3
TGG GAG Trp Glu															518	3
GAG CAG Glu Gln		Ser													566	5

		TGT Cys														614
		GTC Val														662
		CTG Leu														710
		GGG Gly														758
		TGC Cys 190														806
		TGT Cys														854
		GTG Val							_							902
		TGC Cys														950
		GCT Ala														998
	_	CAC His 270	_			_						_		_		1046
		CAG Gln														1094
		~~~					~-~	303	maa	maa	maa	070	030			
300		Ala		TGC Cys												1142
300 AGC	Glu AGA		Leu	Cys	Pro 305 CCC	Gln GCT	Val GCT	Thr GCG	Trp	Ser 310 ACA	Trp	Asp TCG	Gln CCA	Leu GAG	Pro 315 TCC	1142

	GTG Val															1286
	CTG Leu 365															1334
	CGC Arg															1382
	CAG Gln															1430
	CTG Leu															1478
CCG Pro	TGA	CACGO	GCG (	CCCAC	CTTG(	CC AC	CCTAC	GCG	C TCI	rggt(	GCC	CTT	GCAG?	AAG		1531
CCC	raag:	rac c	GGTT	ACTTA	AT GO	CGTGT	ragac	C ATT	ratta:	rgtc	ACT	TATTA	AAG (	CCGCT	rggcac	1591
GGC	CCTG	CGT A	AGCA	GCAC	CA GO	CCGGC	CCCC	A CCC	CCTGC	CTCG	CCC	CTATO	CGC :	rccac	ECCAAG	1651
GCG	AAGA	AGC A	ACGA	ACGA	AT G	rcgac	BAGGO	G GGT	rgaac	SACA	TTTC	CTCA	ACT T	rctco	GCCGG	1711
AGT	rtgg	CTG A	AGATO	CGCGC	T A	TAAI	ATCTO	G TG	AAAGA	AAAA	CAA	AACAA	AAA (	CAAAZ	AAAAA	1771
AAA	<b>LAAA</b>	AAA A	AA													1783

## (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 428 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Glu Glu Thr Gln Gln Gly Glu Ala Pro Arg Gly Gln Leu Arg Gly
1 5 10 15

Glu Ser Ala Ala Pro Val Pro Gln Ala Leu Leu Leu Val Leu Leu Gly
20 25 30

Ala Arg Ala Gln Gly Gly Thr Arg Ser Pro Arg Cys Asp Cys Ala Gly
35 40 45

- Asp Phe His Lys Lys Ile Gly Leu Phe Cys Cys Arg Gly Cys Pro Ala
  50 55 60
- Gly His Tyr Leu Lys Ala Pro Cys Thr Glu Pro Cys Gly Asn Ser Thr 65 70 75 80
- Cys Leu Val Cys Pro Gln Asp Thr Phe Leu Ala Trp Glu Asn His His
  85 90 95
- Asn Ser Glu Cys Ala Arg Cys Gln Ala Cys Asp Glu Gln Ala Ser Gln
  100 105 110
- Val Ala Leu Glu Asn Cys Ser Ala Val Ala Asp Thr Arg Cys Gly Cys 115 120 125
- Lys Pro Gly Trp Phe Val Glu Cys Gln Val Ser Gln Cys Val Ser Ser 130 135 140
- Ser Pro Phe Tyr Cys Gln Pro Cys Leu Asp Cys Gly Ala Leu His Arg 145 150 155 160
- His Thr Arg Leu Cys Ser Arg Arg Asp Thr Asp Cys Gly Thr Cys
  165 170 175
- Leu Pro Gly Phe Tyr Glu His Gly Asp Gly Cys Val Ser Cys Pro Thr 180 185 190
- Ser Thr Leu Gly Ser Cys Pro Glu Arg Cys Ala Ala Val Cys Gly Trp 195 200 205
- Arg Gln Met Phe Trp Val Gln Val Leu Leu Ala Gly Leu Val Val Pro 210 215 220
- Leu Leu Gly Ala Thr Leu Thr Tyr Thr Tyr Arg His Cys Trp Pro 225 230 230 235
- His Lys Pro Leu Val Thr Ala Asp Glu Ala Gly Met Glu Ala Leu Thr 245 250 255
- Pro Pro Pro Ala Thr His Leu Ser Pro Leu Asp Ser Ala His Thr Leu 260 265 270
- Leu Ala Pro Pro Asp Ser Ser Glu Lys Ile Cys Thr Val Gln Leu Val 275 280 285
- Gly Asn Ser Trp Thr Pro Gly Tyr Pro Glu Thr Gln Glu Ala Leu Cys 290 295 300
- Pro Gln Val Thr Trp Ser Trp Asp Gln Leu Pro Ser Arg Ala Leu Gly 305 310 315 320
- Pro Ala Ala Pro Thr Leu Ser Pro Glu Ser Pro Ala Gly Ser Pro 325 330 335
- Ala Met Met Leu Gln Pro Gly Pro Gln Leu Tyr Asp Val Met Asp Ala

			340					345					350				
Val	Pro	Ala 355	Arg	Arg	Trp	Lys	Glu 360	Phe	Val	Arg	Thr	Leu 365	Gly	Leu	Arg		
Glu	Ala 370	Glu	Ile	Glu	Ala	Val 375	Glu	Val	Glu	Ile	Gly 380	Arg	Phe	Arg	Asp		
Gln 385	Gln	Tyr	Glu	Met	Leu 390	Lys	Arg	Trp	Arg	Gln 395	Gln	Gln	Pro	Ala	Gly 400		
Leu	Gly	Ala		Tyr 405	Ala	Ala	Leu	Glu	Arg 410	Met	Gly	Leu	Asp	Gly 415	Cys		
Val	Glu			Arg	Ser	Arg	Leu	Gln 425	Arg	Gly	Pro						
(2)	INFO	RMAT	rion	FOR	SEQ	ID 1	10:3	:									
	(i)	( <i>I</i> (E	A) LI B) T; C) S;	ENGTI (PE : [RANI	HARAC H: 12 nucl DEDNI DGY:	254 l leic ESS:	oase acio doul	pai:	rs								
	(ii)	MOI	LECUI	E T	PE:	CDNA	A										
		(E	A) NA B) LO	AME/I	CEY: [ON:	1		SEO J	ID NO	):3:							
<b>N</b> mc								-			aaa	999	999	cm.c	ama		_
					CGG Arg											4	8
					GCC Ala 450											9	6
					GAC Asp											14	4
					GGG Gly											19	2
					TGC Cys											24	0

				-				
	CAC His							288
	TCC Ser							336
	GGC Gly							384
	AGC Ser 560							432
	CAC His							480
	ACC Thr							528
	CCC Pro							576
	GGC Gly							624
	GTC Val 640							672
	TGG Trp							720
	CTG Leu							768
	ACC Thr							816
	TTG Leu							864
	CTC Leu 720							912

			GGC Gly							960
			CCA Pro							1008
			GCG Ala						;	1056
			CGC Arg 785						;	1104
			GAC Asp						;	1152
			GGC Gly						:	1200
			TGC Cys						:	1248
CCG Pro 845	TGA								Ξ	1254

- (2) INFORMATION FOR SEQ ID NO:4:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 417 amino acids
    - (B) TYPE: amino acid
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Met Glu Gln Arg Pro Arg Gly Cys Ala Ala Val Ala Ala Ala Leu Leu 1 5

Leu Val Leu Leu Gly Ala Arg Ala Gln Gly Gly Thr Arg Ser Pro Arg 20

Cys Asp Cys Ala Gly Asp Phe His Lys Lys Ile Gly Leu Phe Cys Cys 40

Arg Gly Cys Pro Ala Gly His Tyr Leu Lys Ala Pro Cys Thr Glu Pro 50 55

Cys Gly Asn Ser Thr Cys Leu Val Cys Pro Gln Asp Thr Phe Leu Ala 75 Trp Glu Asn His His Asn Ser Glu Cys Ala Arg Cys Gln Ala Cys Asp 90 Glu Gln Ala Ser Gln Val Ala Leu Glu Asn Cys Ser Ala Val Ala Asp 100 105 Thr Arg Cys Gly Cys Lys Pro Gly Trp Phe Val Glu Cys Gln Val Ser 120 Gln Cys Val Ser Ser Ser Pro Phe Tyr Cys Gln Pro Cys Leu Asp Cys 130 135 140 Gly Ala Leu His Arg His Thr Arg Leu Leu Cys Ser Arg Arg Asp Thr 150 Asp Cys Gly Thr Cys Leu Pro Gly Phe Tyr Glu His Gly Asp Gly Cys 165 170 Val Ser Cys Pro Thr Ser Thr Leu Gly Ser Cys Pro Glu Arg Cys Ala 180 Ala Val Cys Gly Trp Arg Gln Met Phe Trp Val Gln Val Leu Leu Ala 200 Gly Leu Val Val Pro Leu Leu Gly Ala Thr Leu Thr Tyr Thr Tyr 210 215 Arg His Cys Trp Pro His Lys Pro Leu Val Thr Ala Asp Glu Ala Gly 230 Met Glu Ala Leu Thr Pro Pro Pro Ala Thr His Leu Ser Pro Leu Asp 250 Ser Ala His Thr Leu Leu Ala Pro Pro Asp Ser Ser Glu Lys Ile Cys 260 265 Thr Val Gln Leu Val Gly Asn Ser Trp Thr Pro Gly Tyr Pro Glu Thr 280 Gln Glu Ala Leu Cys Pro Gln Val Thr Trp Ser Trp Asp Gln Leu Pro 290 Ser Arg Ala Leu Gly Pro Ala Ala Pro Thr Leu Ser Pro Glu Ser 305 310 Pro Ala Gly Ser Pro Ala Met Met Leu Gln Pro Gly Pro Gln Leu Tyr 325 330 Asp Val Met Asp Ala Val Pro Ala Arg Arg Trp Lys Glu Phe Val Arg 340 345 350 Thr Leu Gly Leu Arg Glu Ala Glu Ile Glu Ala Val Glu Val Glu Ile

Gly Arg Phe Arg Asp Gln Gln Tyr Glu Met Leu Lys Arg Trp Arg Gln 370 375 380

Gln Gln Pro Ala Gly Leu Gly Ala Val Tyr Ala Ala Leu Glu Arg Met 385 390 395 400

Gly Leu Asp Gly Cys Val Glu Asp Leu Arg Ser Arg Leu Gln Arg Gly
405 410 415

Pro

- (2) INFORMATION FOR SEQ ID NO:5:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 455 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: not relevant
    - (D) TOPOLOGY: not relevant
  - (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Met Gly Leu Ser Thr Val Pro Asp Leu Leu Pro Leu Val Leu Leu 1 5 10 15

Glu Leu Val Gly Ile Tyr Pro Ser Gly Val Ile Gly Leu Val Pro
20 25 30

His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro Gln Gly Lys 35 40 45

Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys
50 55 60

Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp 65 70 75 80

Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu 85 90 95

Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val

Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg 115 120 125

Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe 130 135 140

- Asn Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu
  145 150 155 160
- Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu 165 170 175
- Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr 180 185 190
- Lys Leu Cys Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser 195 200 205
- Gly Thr Thr Val Leu Leu Pro Leu Val Ile Phe Phe Gly Leu Cys Leu 210 215 220
- Leu Ser Leu Leu Phe Ile Gly Leu Met Tyr Arg Tyr Gln Arg Trp Lys 225 230 235 240
- Ser Lys Leu Tyr Ser Ile Val Cys Gly Lys Ser Thr Pro Glu Lys Glu 245 250 255
- Gly Glu Leu Glu Gly Thr Thr Lys Pro Leu Ala Pro Asn Pro Ser 260 265 270
- Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe Ser Pro Val 275 280 285
- Pro Ser Ser Thr Phe Thr Ser Ser Ser Thr Tyr Thr Pro Gly Asp Cys 290 295 300
- Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala Pro Pro Tyr Gln Gly 305 310 315 320
- Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala Ser Asp Pro Ile Pro Asn 325 330 335
- Pro Leu Gln Lys Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp 340 345 350
- Thr Asp Asp Pro Ala Thr Leu Tyr Ala Val Val Glu Asn Val Pro Pro 355 360 365
- Leu Arg Trp Lys Glu Phe Val Arg Arg Leu Gly Leu Ser Asp His Glu 370 375 380
- Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu Ala Gln 385 390 395 400
- Tyr Ser Met Leu Ala Thr Trp Arg Arg Thr Pro Arg Arg Glu Ala
  405 410 415
- Thr Leu Glu Leu Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly
  420 425 430
- Cys Leu Glu Asp Ile Glu Glu Ala Leu Cys Gly Pro Ala Ala Leu Pro

- (2) INFORMATION FOR SEQ ID NO:6:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 335 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: not relevant
    - (D) TOPOLOGY: not relevant
  - (ii) MOLECULE TYPE: protein
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Met Leu Gly Ile Trp Thr Leu Leu Pro Leu Val Leu Thr Ser Val Ala

1 10 15

Arg Leu Ser Ser Lys Ser Val Asn Ala Gln Val Thr Asp Ile Asn Ser 20 25 30

Lys Gly Leu Glu Leu Arg Lys Thr Val Thr Thr Val Glu Thr Gln Asn 35 40 45

Leu Glu Gly Leu His His Asp Gly Gln Phe Cys His Lys Pro Cys Pro 50 55 60

Pro Gly Glu Arg Lys Ala Arg Asp Cys Thr Val Asn Gly Asp Glu Pro 65 70 75 80

Asp Cys Val Pro Cys Gln Glu Gly Lys Glu Tyr Thr Asp Lys Ala His 85 90 95

Phe Ser Ser Lys Cys Arg Arg Cys Arg Leu Cys Asp Glu Gly His Gly 100 105 110

Leu Glu Val Glu Ile Asn Cys Thr Arg Thr Gln Asn Thr Lys Cys Arg 115 120 125

Cys Lys Pro Asn Phe Phe Gln Asn Ser Thr Val Cys Glu His Cys Asp 130 135 140

Pro Cys Thr Lys Cys Glu His Gly Ile Ile Lys Glu Cys Thr Leu Thr 145 150 155 160

Ser Asn Thr Lys Cys Lys Glu Glu Gly Ser Arg Ser Asn Leu Gly Trp

165 170 175

Leu Cys Leu Leu Leu Pro Ile Pro Leu Ile Val Trp Val Lys Arg 180 185 190

Lys Glu Val Gln Lys Thr Cys Arg Lys His Arg Lys Glu Asn Gln Gly
195 200 205

Ser His Glu Ser Pro Thr Leu Asn Pro Glu Thr Val Ala Ile Asn Leu 210 215 220

Ser Asp Val Asp Leu Ser Lys Tyr Ile Thr Thr Ile Ala Gly Val Met 225 230 235 240

Thr Leu Ser Gln Val Lys Gly Phe Val Arg Lys Asn Gly Val Asn Glu 245 250 255

Ala Lys Ile Asp Glu Ile Lys Asn Asp Asn Val Gln Asp Thr Ala Glu 260 265 270

Gln Lys Val Gln Leu Leu Arg Asn Trp His Gln Leu His Gly Lys Lys 275 280 285

Glu Ala Tyr Asp Thr Leu Ile Lys Asp Leu Lys Lys Ala Asn Leu Cys 290 295 300

Thr Leu Ala Glu Lys Ile Gln Thr Ile Ile Leu Lys Asp Ile Thr Ser 305 310 315 320

Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val 325 330 335

- (2) INFORMATION FOR SEQ ID NO:7:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 23 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: cDNA
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

# GCGCCATGGG GGCCCGGCGG CAG

(2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 30 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

23

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
GCGAAGCTTC TAGGACCCAG AACATCTGCC	30
(2) INFORMATION FOR SEQ ID NO:9:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 33 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
CGCGGATCCG CCATCATGGA GGAGACGCAG CAG	33
(2) INFORMATION FOR SEQ ID NO:10:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 33 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
CGCGGATCCG CCATCATGGA GCAGCGGCCG CGG	33
(2) INFORMATION FOR SEQ ID NO:11:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 54 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
GCGTCTAGAT CAAAGCGTAG TCTGGGACGT CGTATGGGTA CGGGCCGCGC TGCA	54

	-88-	
(2)	INFORMATION FOR SEQ ID NO:12:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 33 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	
CGCC	GGATCCG CCATCATGGA GGAGACGCAG CAG	33
(2)	INFORMATION FOR SEQ ID NO:13:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 33 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:	
CGCG	GGATCCG CCATCATGGA GCAGCGGCCG CGG	33
(2)	INFORMATION FOR SEQ ID NO:14:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 26 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(ii) MOLECULE TYPE: cDNA	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:	
CGCC	GGATCCT CACGGGCCGC GCTGCA	26
(2)	INFORMATION FOR SEQ ID NO:15:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 33 base pairs	

(B) TYPE: nucleic acid(C) STRANDEDNESS: single

	(D) TOPOLOGY: linear	
(ii	i) MOLECULE TYPE: cDNA	
(xi	i) SEQUENCE DESCRIPTION: SEQ ID NO:15:	
	rccg ccatcatgga ggagacgcag cag	33
(2) INF	FORMATION FOR SEQ ID NO:16:	
(i	i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 33 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii	i) MOLECULE TYPE: cDNA	
	1) SEQUENCE DESCRIPTION: SEQ ID NO:16:	33
(2) INF	FORMATION FOR SEQ ID NO:17:	
(i	(A) LENGTH: 35 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii	D) MOLECULE TYPE: cDNA	
(xi	.) SEQUENCE DESCRIPTION: SEQ ID NO:17:	
GCGAGAT	CTA GTCTGGACCC AGAACATCTG CCTCC	35